From:	Guha, Biswarup <Biswarup.Guha@dep.state.nj.us>
Sent:	Thursday, January 16, 2014 8:57 AM
To:	Tseng, Antony
Subject:	RE: Issues while running water quality and Hydro

For the Hydro errors, I will wait to see if you and NYS gets similar errors before contacting HDR/Robin.

Best Regards,
-Roop.

609-292-1592

From: Tseng, Antony [mailto:Tseng.Antony@epa.gov]
Sent: Thursday, January 16, 2014 8:05 AM
To: Guha, Biswarup
Cc: Pang, Helen; O'Connor, Rosella T.
Subject: RE: Issues while running water quality and Hydro

Roop,

Thanks. You are ahead of us in setting up the model environment. We haven't established our system yet but I will keep an eye out for the issues you are highlighting below.
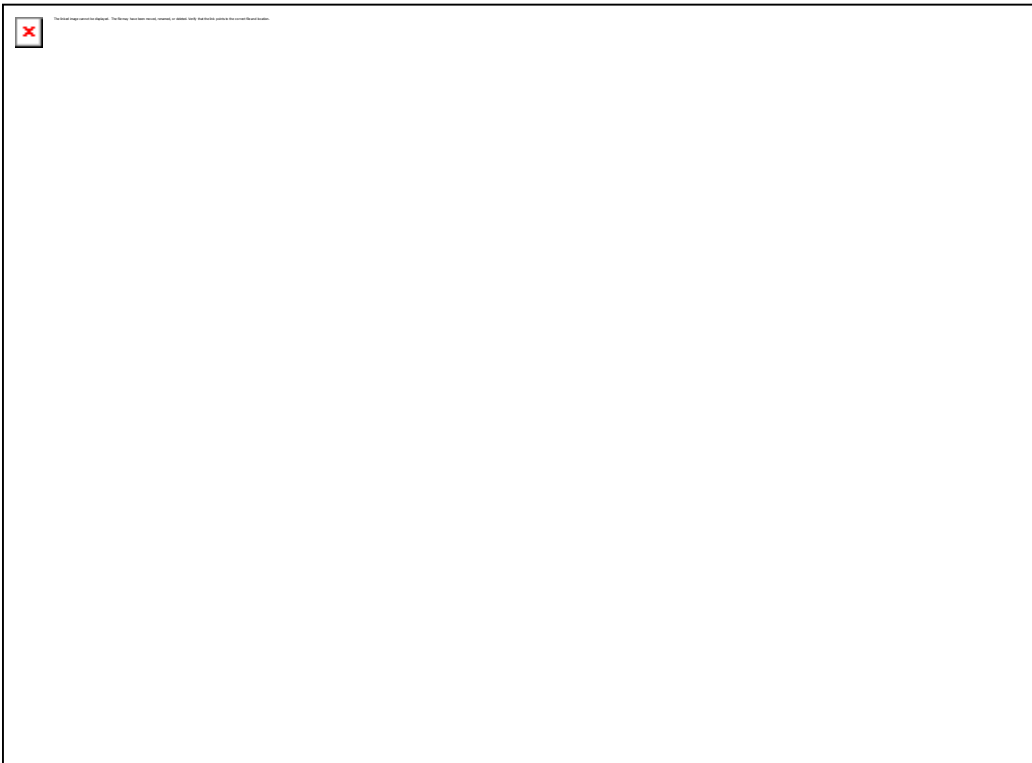
- Antony

From: Guha, Biswarup [mailto:Biswarup.Guha@dep.state.nj.us]
Sent: Wednesday, January 15, 2014 2:33 PM
To: Tseng, Antony
Cc: Pang, Helen
Subject: Issues while running water quality and Hydro

Antony,

I am having trouble in running the hydro code as well as the DO-NUTRIENTS water quality runs. Wondering if you had similar issues. I completed running the pathogen runs but haven't checked them yet.

For the Hydro run in the TOXICS/HYDRO/NEWRUNS/CARP*. Corrected the first error but got stuck on the other. I am still trying to figure out the issue WQ run which I believe has to do with a different LINUX system.

Nohup.out from first run attempt in (/TOXICS/HYDRO/NEWRUNS/CARP9899)

Seems like the formatting in the input file "run_data.30d.cold" is incorrect. The source code file, "ecom3d_swem.f", uses "integer" format for "NSTEPS" while a decimal point is included under NSTEPS. Below are the screenshots from the run_data and the code.

Run_data.0030 screenshot:

```
SWEM94-95:Tilt=11,13cm; TSBC=Mooring+read2_data.f),Tide=OSU+LP 0.5 SANDY
  HYDTYPE    WAVEDYN     TRACER    SEDTRAN  CHEMTRAN    SEDTYPE  PARTICLE
 INTERNAL   NEGLECT     NEGLECT    NEGLECT   NEGLECT      MUD    NEGLECT
     DTI SPLT RAMP    YR   MO    DA   HR NHYD
     50.   10 1728 1998   10    1    0   72
   NSTEPS    IPRINT IPRTSTART RESTART     TOR        ADVECT      SCHEME
     30.       1728           0 COLD START PROGNOSTIC NON-LINEAR SMOLAR R
```

Line 370 of the code:

```
          READ(IURUN,10) NSTEPS,IPRINT,IPRTSTART,RESTAR,TOR,ADVECT,SCHEME
```

Format # 10:

```
10    FORMAT(3I10,1X,A10,1X,A10,1X,A10,1X,A10)
```

I corrected/removed the decimal point from the number under "NSTEPS" in the file "run_data.30d.cold (follow the debugging steps above). However, the next error I get is when a binary file (gcm_temp95) is being read in (line 640 in source file "first_swem.f"

```
PGFIO-F-217/unformatted read/unit=95/attempt to read past end of file.
 File name = gcm_temp95    unformatted, sequential access    record = 1
 In source file first_swem.f, at line number 640
```
(nohup.out from second run attempt).

Not sure if this aligns with my earlier concern of recompiling the codes or if I can go around it.

Roop.

2

This Email message contained an attachment named
  image001.jpg
which may be a computer program. This attached computer program could
contain a computer virus which could cause harm to EPA's computers,
network, and data. The attachment has been deleted.

This was done to limit the distribution of computer viruses introduced
into the EPA network. EPA is deleting all computer program attachments
sent from the Internet into the agency via Email.

If the message sender is known and the attachment was legitimate, you
should contact the sender and request that they rename the file name
extension and resend the Email with the renamed attachment. After
receiving the revised Email, containing the renamed attachment, you can
rename the file extension to its correct name.

For further information, please contact the EPA Call Center at
(866) 411-4EPA (4372). The TDD number is (866) 489-4900.

************************ ATTACHMENT NOT DELIVERED ************************

From:	Guha, Biswarup <Biswarup.Guha@dep.state.nj.us>
Sent:	Thursday, January 16, 2014 8:51 AM
To:	Tseng, Antony
Cc:	Pang, Helen; O'Connor, Rosella T.
Subject:	RE: Issues while running water quality and Hydro

Antony,

Figured out the problem with the Water Quality as it won't run past the first year and was giving an error (./run011_tmdl.sh: 76: ./run011_tmdl.sh: Syntax error: Bad fd number). Resolved this issue by opening the root terminal, moving the /bin/sh to /bin/sh_old and then linking the /bin/bash to /bin/sh. This may be an issue only with Debian but thought it would help in case you come across the same. Found the solution in the following link (https://lists.debian.org/debian-amd64/2011/07/msg00023.html).

Best Regards,
-Roop.

609-292-1592

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To: Guha, Biswarup
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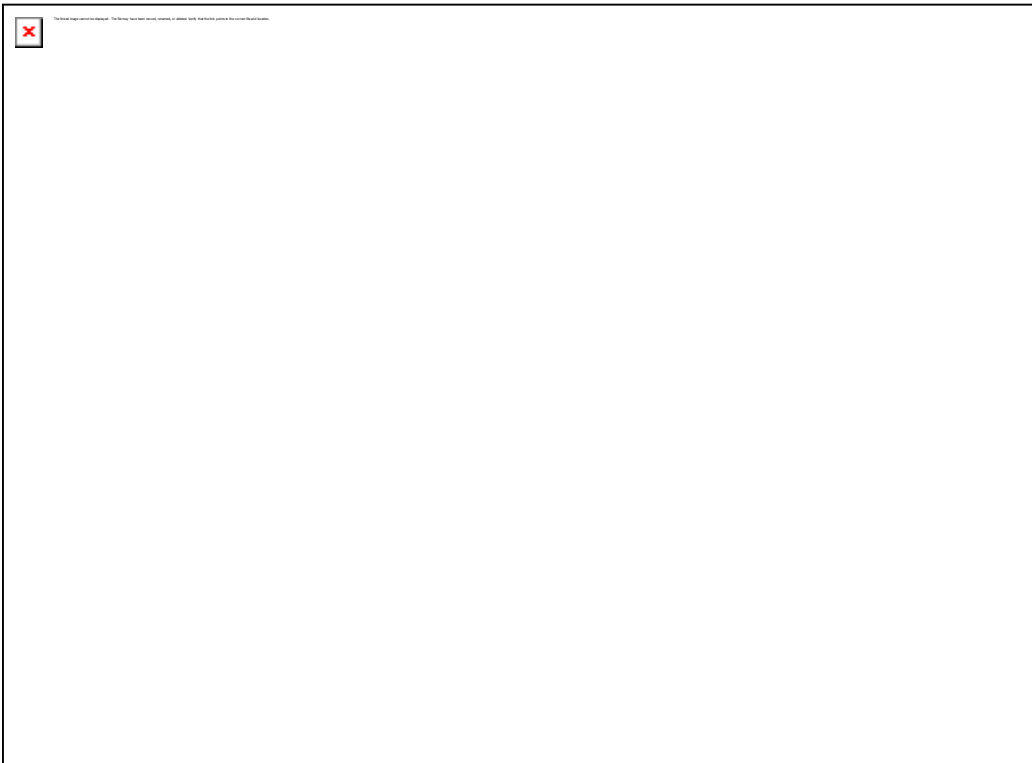
- Antony

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